

IN THE ABSTRACT OF THE DISCLOSURE

Please amend the Abstract as filed and substitute therefore the attached revised Abstract.

~~In a wireless communication system dealing with a plurality of frequency bands such as 5.2 GHz band and 2.4 GHz band, without a disturbance from another wireless communication system or the like and abnormalities such as stop of a moving picture and disturbance of a picture, a large volume of data can be securely and smoothly transmitted on real time basis.~~

~~In a frequency band (5.2 GHz band) communicable at higher transmission rates, unused radio channels free of a disturbing wave are detected in steps 101 to 103. In process routine 200, it is detected whether or not received field strengths exceed a threshold value in decreasing order from higher transmission rates on the detected radio channels. A communication is started at a transmission rate of which the received field strength reaches or exceeds the threshold value.~~

Wireless communication is carried out between devices. A highest frequency band is selected. When the selected frequency band includes an unused channel in which no disturbing wave is present, a maximum transmission rate at which a received field strength value exceeds a threshold value is determined. When the selected frequency band does not include an unused channel or one in which no disturbing wave is present or there is no transmission rate associated with the selected frequency band at which the received field strength value exceeds the threshold value, the next highest frequency band is successively selected and the above is repeated. When the maximum transmission rate is successfully determined, communication is initiated using the unused channel of the selected frequency band at the maximum transmission rate as a communication channel.